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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/554,048	10/24/2005	Hans-Juergen Dobschal	P70853US0	8295		
JACOBSON HO	7590 09/16/200 OLMAN PLLC	EXAMINER				
400 SEVENTH SUITE 600	STREET N.W.	BOOSALIS, FANI POLYZOS				
WASHINGTO	N, DC 20004	ART UNIT	PAPER NUMBER			
			2884			
		MAIL DATE	DELIVERY MODE			
			09/16/2008	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary		Application No. Applicant		Applicant(s)	ant(s)				
			10/554,048		DOBSCHAL ET AL.				
			Examiner		Art Unit				
			Faye Boosalis		2884				
Period fo	The MAILING DATE of this commur or Reply	nication appe	ars on the co	ver sheet with the c	orrespondence a	ddress			
WHIC - Exter after - If NC - Failu Any r	ORTENED STATUTORY PERIOD FOR CHEVER IS LONGER, FROM THE MOST IN TH	MAILING DATES of 37 CFR 1.136 munication. tatutory period will will, by statute, care	(a). In no event, he apply and will expanse the application	COMMUNICATION DWEVER, may a reply be tin ire SIX (6) MONTHS from In to become ABANDONE	N. nely filed the mailing date of this of U.S.C. § 133).				
Status									
1) 又	Responsive to communication(s) file	ed on <i>01 Feb</i>	ruary 2008.						
•									
3)	Since this application is in condition	<i>′</i> —			secution as to th	e merits is			
- ,	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Dispositi	on of Claims								
4)🛛	Claim(s) 9-26 is/are pending in the	application.							
	4a) Of the above claim(s) is/are withdrawn from consideration.								
	☐ Claim(s) 9-17 is/are allowed.								
6)□	S) Claim(s) is/are rejected.								
	Claim(s) <u>18-26</u> is/are objected to.								
8)	Claim(s) are subject to restrict	ction and/or e	election requi	rement.					
Applicati	on Papers								
9)□	The specification is objected to by th	e Examiner.							
10)🛛	The drawing(s) filed on <u>24 October 2</u>	2 <u>005</u> is/are: a	a)🏻 accepte	d or b) <mark></mark> objected	to by the Examir	ner.			
•	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.									
Priority ι	ınder 35 U.S.C. § 119								
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 									
2) Notic 3) Inform	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (Fination Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	PTO-948)	4) [5) [6) [Interview Summary Paper No(s)/Mail Da Notice of Informal P Other:	ate				

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Response to Arguments

1. Applicant's arguments, see 9-14 and pages 1-4, filed 1 February 2008, with respect to claims 9-17 have been fully considered and are persuasive. The rejection of claims 9-17 has been withdrawn.

Response to Amendment

2. Amendment to claims has been entered.

Double Patenting

3. Claims 18-26 are objected to under 37 CFR 1.75 as being a substantial duplicate of claims 9-17. When two claims in an application are duplicates or else are so close in content that they both cover the same thing, despite a slight difference in wording, it is proper after allowing one claim to object to the other as being a substantial duplicate of the allowed claim. See MPEP § 706.03(k).

Allowable Subject Matter

4. Claims 9-17 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

Regarding claim 9, the prior art does not disclose or fairly suggest an apparatus for inspecting a mask used in microlithography, the apparatus comprising: an arrangement wherein an illuminating source and a converter means are both disposed inside a vacuum chamber; a sensor means disposed outside the vacuum chamber and an optical interface, being arranged as a vacuum window in the vacuum chamber, from the vacuum chamber to the sensor means.

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The examiner notes that while it is known in the art an apparatus for inspecting a mask used in lithography, the apparatus comprising: a vacuum chamber (11); illuminating means (16) disposed inside the vacuum chamber (11); a converter means (10) disposed outside the vacuum chamber; a sensor means (10) being disposed outside the vacuum chamber (11); and an optical interface (9) from the vacuum chamber (11) to the sensor means (10), the optical interface being arranged as a vacuum window in the vacuum chamber (Hayashi et al -- US 2005/0030537 A1 -- see for example Fig 1, Abstract and paragraphs [0028]-[0030] and [0071]), the prior art does not suggest the converter means, for converting an image in EUV emitted by the mask into an image in radiation of a longer wavelength, being disposed inside the vacuum chamber.

The remaining claims 10-17 are allowable based on their dependency.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Amemiya et al (US 7,312,459 B2) discloses an apparatus and method for evaluating EUV light source comprising: a vacuum chamber (15) wherein a mask is disposed within the vacuum chamber; an EUV light source (17) arrange outside the chamber (15) projects pulse laser light upon a target material; the EUV light is absorbed by fluorescent substance 9 is converted into fluorescent light which is visible light and by imaging it upon a CCD (13), located outside the chamber

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(15), through a glass substrate and a view port (11) (vacuum window) (See Fig. 8 and col. 5, lines 28-41).

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Faye Boosalis whose telephone number is 571-272-2447. The examiner can normally be reached on Monday thru Friday from 7:30 AM to 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dave Porta can be reached on 571-272-2444. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

7. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

FB /CHRISTINE SUNG/ Primary Examiner, Art Unit 2884